



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 17, 1993

Mr. Dave I. Hodson
General Manger
Barney's Canyon Mine
Kennecott Corporation
P.O. Box 311
Bingham Canyon, Utah 84006-0311

Dear Mr. Hodson;

Re: Barney's Canyon Draft Revised and Consolidated Mining and Reclamation Plan, Kennecott Corp., M/035/009, Salt Lake County, Utah

The Division has reviewed the draft Revised and Consolidated Mining and Reclamation Plan, for Barney's Canyon, submitted March 15, 1993. As a whole it is well written and comprehensive. We have, however, detected a few minor format errors, typos, and areas where text information needs to be updated. We have itemized these areas below. We will also return our marked-up copy of the draft to assist you in your editing:

1. The Table of Contents has excluded the headings for 3.0 Operational Plan (and all sections thereunder) and 4.0 Impact Assessment (and all sections thereunder).
2. The Table of Contents has excluded the heading for 9.0 Appendices. Also, the text refers to various Appendices, but none were included in the plan volume.
3. The List of Plates needs to be corrected. Some of the titles refer to the wrong plate number. We were unable to find the Per-Disturbance Site Map. (see marked up copy of plan)
4. Page 10, 2nd paragraph, first sentence; the access road from Hwy 48 is not shown on the referenced Plate II-A.
5. Page 12, 3rd paragraph, second sentence; the reference to Plates IA and IIA is not clear. Please clarify.

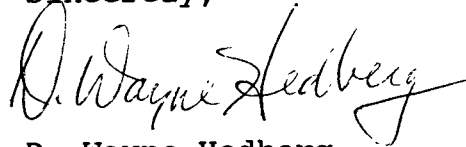
6. Page 22, 4th paragraph; we could not locate Appendix A or C in the text.
7. Section 3.7, Waste Disposal; needs to be updated concerning the new findings and dump re-configuration, relative to the NBCS and SBCS waste rock dump. It will no longer be blocking the drainage, and will be redesigned to lie against the south facing slope of the associated drainage. Please revise text and appropriate maps/plates to reflect this.
8. Page 45, 2nd paragraph, last 2 sentences. These sentences do not make sense in context with the paragraph as a whole. Explain how dump material will reduce metal mobilization.
9. Page 45, 2nd paragraph; the last 2 sentences conflict with page 46, 2nd paragraph, last 2 sentences. Divisions preference is to go with the 3 foot minimum.
10. Page 45, 3rd paragraph, last 3 sentences. The operator should update this section regarding the deposition of the sulfide ore stockpiles.
11. Page 46, last paragraph; this section needs to be updated regarding the new findings and new dump configuration for the NBCS and SBCS dump.
12. Page 46 & 48, define Kt. Does this mean 1,000 metric tons or 1,000 english tons? Change to 1,000 ton.
13. Page 95, 3rd paragraph; please remove the date December 31, 1992.
14. Page 67, section 3.10.3 Operational Sediment Control, 4th paragraph. This section needs to be changed, taking into account the new design for the waste rock dump from the NBCS and SBCS pits.
15. Page 81, 5th paragraph. Where are Melco dumps 7140 and 7040?
16. Page 82, 1st paragraph; change 30 percent to 50 percent.
17. Page 87, section 5.7 Seeding Methods, 5th paragraph; change 5.6-4 to 5.6-2.

Page 3
Barney's Consolidated Plan Review
M/035/009
August 17, 1993

18. Page 91, section 6.0, Variance Requests, 2nd paragraph; please remove language discussing the BC South dump impoundment. Also, please update the language in the text to reflect that the variances have been granted for slopes, highwalls, topsoil redistribution and revegetation.

Please contact me or Holland Shepherd should you have further questions in this matter. Thank you for your patience and cooperation in this regard.

Sincerely,



D. Wayne Hedberg
Permit Supervisor
Minerals Regulatory Program

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Enclosure
cc: Lowell Braxton, DOGM
M035009.1tr